

**Abstract**

The present invention relates to a radiation-curable coating composition comprising at least one aliphatic urethane (meth)acrylate which has two ethylenically unsaturated 5 double bonds per molecule and contains at least one polytetrahydrofuranol in built-in form and at least one monoethylenically unsaturated reactive diluent. The invention further provides a process for producing a coated substrate using such a radiation-curable coating composition and to the coated substrates obtained by this process.